ADD

APPENDIX S13

ADD

Distress and Safety Communications (Non-GMDSS)

(see Article **S30**)

(Note by VGE - This Appendix will contain the complete texts of the present Chapter IX. The present Chapter IX contains the following articles, which are to be included without change and are therefore not reproduced here:

a. ARTICLE 37 - General Provisions

b. ARTICLE 38 - Frequencies for Distress and Safety

c. ARTICLE 39 - Distress Communications

d. ARTICLE 40 - Urgency and Safety Transmissions, and Medical Transports

e. ARTICLE 41 - Alarm and Warning Signals

f. ARTICLE 42 - Special Services Relating to Safety)

In order to have all the provisions of the present RR related to non-GMDSS distress and safety communications assembled in one place, the provisions of Sections II and III of Article 55 and Section II of Article 56, amended as recommended by VGE, are also included in this annex and reproduced below.

APPENDIX S13 (CONTINUED)

(Note by VGE - This material is extracted from Article 55.)

MOD Mob-87

Section II. Categories of Certificates ~~for Operators of Ship Stations and Ship Earth Stations Using the Frequencies and Techniques Prescribed in Chapter IX and for Public Correspondence~~

MOD 3878

§ 5. (1) There are four categories of certificates, shown in descending order of requirements, for radiotelegraph operators[1], Each lower order certificate has lesser requirements and except for code speed, its requirements are a subset of the next higher certificate. The highest order Morse code speed certificate is the 1st Class radiotelegraph;

Reasons: The requirements for these certificates are being presented in tabular format and except for the code speed requirements, the knowledge requirements decrease with each lower order certificate, but it is never stated that these are listed in descending order, which they are.

NOC 3878.1 to 3888.1

MOD 3889 Mob-83

(6) However, where the conditions specified in ~~No. 3934~~Table [AR55A] are satisfied, the radiotelegraph service of ships for which a radiotelegraph installation is not made compulsory by international agreements, as well as the radiotelephone service of any ship station, may be carried out by the holder of a radiotelegraph operator's special certificate[1].

NOC 3889.1 Mob-83 and 3890

MOD Mob-87

Section III. Conditions for the Issue of Certificates ~~for Operators of Ship Stations and Ship Earth Stations Using the Frequencies and Techniques Prescribed in Chapter IX and for Public Correspondence~~

NOC 3891 to 3896

A. General

ADD 3896A

(4) The requirements which candidates, for one of the certificates of this section, must show proof of the technical and professional knowledge and qualification are shown in the following Table.

SUP* 3897 to 3934

Reasons: The Table [AR55A] replaces all of the text describing the certificates contained in 3897 - 3944. A Mapping Guide has been included at the end of Article 55 that cross-references the current Radio Regulations provisions with the provisions of the Table. The column identifiers (letters A through E) and row identifiers (numbers 1 to 9) shown on the Table would not be included in the simplified Radio Regulations.

ADD

TABLE [AR55A]

Knowledge Requirements for Radiotelegraph Operator Certificates

[Column Index for mapping aid See Mapping Guide at end of Article]

	A	B	C	D	E
1.	Knowledge Requirement	General *	1st * Class	2nd * Class	Special *
2.	Principles of Electricity and theory of Radio and Electronics	Note 1	Note 10	Note 11	No requirement
3a)	Knowledge of adjustment and practical working of various types of radiotelegraph and radiotelephone apparatus used in the mobile service	Note 1, 2	Note 2	Note 2	Note 2, Note 3
3b)	knowledge of the principles of operation of other apparatus generally used for radionavigation	Note 12	Note 10	Note 11	
4.	Theoretical and practical knowledge of the operation and *maintenance of auxiliary apparatus*	Note 4	Note 4	Note 4, Note 11	No requirement
5.	Practical knowledge necessary for the adjustment and repair, during a voyage with the means available on board, of radiotelegraph, radiotelephone, and radio direction finding apparatus	Note 1	Note 13	Note 14	No requirement
6.	Ability to send correctly by hand and to receive correctly by ear, (Note 5) in the Morse code for:				
a.	1) code groups (mixed letters, figures and punctuation marks), at a rate of:	16 groups per min.	20 words per min.	16 groups per min.	16 groups per min.
b.	2) plain language text at a rate of:	20 words per min.	25 words per min.	20 words per min.	20 words per min.

* Classes of Radiotelegraph Operator's Certificates

General = Radiocommunication Operator's General Certificate

1st Class = First-Class Radiotelegraph Operator's Certificate

2nd Class = Second-Class Radiotelegraph Operator's Certificate

Special = Radiotelegraph Operator's Special Certificate

TABLE [AR55A] (continued)

	A	B	C	D	E
	Knowledge Requirement	General	1st Class	2nd Class	Special
7.	Ability to send and receive correctly by radiotelephone	Note 8	Note 8	Note 8	Note 8
8a)	knowledge of the: Regulations applying to radiocommunications,	Note 10	Note 12	Note 10	Note 6
b)	documents relating to charges for radiocommunications, and	Note 10	Note 12	Note 10	
c)	knowledge of the Convention for the Safety of Life at Sea which relate to radio	Note 10	Note 12	Note 10	
9.	Other knowledge requirements	Note 7, Note 9, Note 15	Note 7, Note 9, Note 15	Note 7, Note 9, Note 15, Note 16	No requirement

Note 1 - Theoretical knowledge of modern radiocommunication equipment, including marine radiotelegraph, and radiotelephone transmitters and receivers, antenna systems, automatic alarm devices, lifeboat radio equipment and all items listed in Notes 2 and 4 with particular reference to maintaining the equipment in service. Using appropriate testing equipment and tools have the ability to isolate and remedy faults.

Note 2 - This includes apparatus for radio direction-finding and the taking of direction-finding bearings and knowledge of the principles of the calibration of radio-direction finding apparatus.

Note 3 - This is limited to practical operation and adjustment of radiotelegraph apparatus.

Note 4 - This includes motorgenerators, storage batteries, etc. used in the operation and adjustment of radiotelegraph, radiotelephone, and radio-direction finding apparatus mentioned in Note 2.

Note 5 - Each code group shall comprise five characters, each figure or punctuation mark counting as two characters. The average word of the text in plain language shall contain five characters. The duration of each test of sending and receiving shall, as a rule, be five minutes.

Note 6 - Knowledge of regulations applying to radiocommunications and knowledge of those Regulations which relate to the safety of life at sea.

Note 7 - Sufficient knowledge of one of the working languages of the Union. Should be able to express themselves satisfactorily in that language, both orally and in writing.

Note 8 - Except for the condition described in 3890, knowledge requirements for the Radiotelephone Certificate are required for all Radiotelegraph certificates beginning in 1976.

Note 9 - Administrations shall fix the other conditions for obtaining this certificate, however a knowledge of basic radiotelephone procedures is required (see **3941 - 3945**).

Note 10 - A general knowledge only is required.

Note 11 - An elementary knowledge of theory and practical knowledge only is required.

Note 12 - A detailed knowledge of this subject area is required.

Note 13 - A practical knowledge only is required.

Note 14 - A practical knowledge sufficient for the repair of minor damage only is required.

Note 15 - Sufficient knowledge of world geography, especially the principal shipping and air routes and most important telecommunication routes.

Note 16 - If necessary, an elementary knowledge only is required of one of the working languages of the Union.

NOC **3935 to 3949** F. Radiotelephone Operators' Certificates

Mapping Guide for the Table [AR55A]

Tracking Radio Regulations Provisions Suppressed from Article 55 into the Table [AR55A]

SUP	Table	Location* and Notes
3879	[AR55A]	B, 1
3898		ADD 3896A
3899	[AR55A]	A, 1 Note 1, Note 2, Note 4
3900	[AR55A]	B, 2, 3a, 3b, 4, Note 1, Note 2, Note 4, Note 12
3901	[AR55A]	B, 3a, Note 1, Note 2
3902	[AR55A]	B, 3a, 5, Note 1, Note 2
3903	[AR55A]	B, 6a, 6b, Note 5
3904	[AR55A]	B, 7, Note 8
3905	[AR55A]	B, 8a, 8b, 8c, Note 10
3906	[AR55A]	B, 9, Note 15
3907	[AR55A]	B, 9, Note 7, Note 9
3908	[AR55A]	C, 1
3909		ADD 3896A
3910	[AR55A]	C, 2, 3a, 3b, Note 2, Note 10
3911	[AR55A]	C, 4, Note 4
3912	[AR55A]	C, 5, Note 13
3913	[AR55A]	C, 6a, 6b, Note 5
3914	[AR55A]	C, 7, Note 8
3915	[AR55A]	C, 8a, 8b, 8c, Note 12
3916	[AR55A]	C, 9, Note 15
3917	[AR55A]	C, 9, Note 7, Note 9
3918	[AR55A]	D, 1
3919		ADD 3896A
3920	[AR55A]	D, 2, 3a, 3b, Note 2, Note 11
3921	[AR55A]	D, 4, Note 4, Note 11
3922	[AR55A]	D, 5, Note 14
3923	[AR55A]	D, 6a, 6b, Note 5
3924	[AR55A]	D, 7, Note 8
3925	[AR55A]	D, 8a, 8b, 8c, Note 10
3926	[AR55A]	D, 9, Note 15
3927	[AR55A]	D, 9, Note 7, Note 9, Note 16
3928	[AR55A]	E, 1
3929		ADD 3896A
3930	[AR55A]	E, 6a, 6b, Note 5
3931	[AR55A]	E, 3a, Note 2, Note 3
3932	[AR55A]	E, 8a, Note 6
3933	[AR55A]	E, 7 Note 9
3934	[AR55A]	Note 8

* Using Lettered Columns and numbered rows of Table [AR55A].

APPENDIX S13 (CONTINUED)

(Note by VGE - This material is extracted from Article 56.)

Mob-87

Section II. Class and Minimum Number of Operators ~~of Ship Stations and Ship Earth Stations Using the Frequencies and Techniques Prescribed in Chapter IX and for Public Correspondence~~

3980 § 2. In the public correspondence service, each government shall take the necessary steps to ensure that stations on board ships of its own nationality have personnel adequate to perform efficient service.

3981 § 3. The personnel of ship stations in the public correspondence service shall, having regard to the provisions of Article **55**, include at least:

3982 *a)* ship stations of the first category, except in the case provided for in No. **3986**: a chief operator holding a radiocommunication operator's general certificate or a first-class radiotelegraph operator's certificate;

3983 *b)* ship stations of the second and third categories, except in the case provided for in No. **3986**: a chief operator holding a radiocommunication operator's general certificate or a first- or second-class radiotelegraph operator's certificate;

3984 *c)* ship stations of the fourth category, except in the cases provided for in Nos. **3985** and **3986**: one operator holding a radiocommunication operator's general certificate or a first- or second-class radiotelegraph operator's certificate;

3985 *d)* ship stations in which a radiotelegraph installation is provided but not prescribed by international agreements: one operator holding a radiocommunication operator's general certificate or a first- or second-class radiotelegraph operator's certificate, or a radiotelegraph operator's special certificate;

3986 *e)* ship stations equipped with a radiotelephone installation only: one operator holding either a radiotelephone operator's certificate or a radiotelegraph operator's certificate.

(MOD) APPENDIX ~~24~~S14

NOC **Phonetic Alphabet and Figure Code**

(see Articles **S30**, **S57** and Appendix **S13**)

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 24).

ADD APPENDIX S15

ADD **Frequencies for Distress and Safety Communications for the GMDSS**

(see Article **S31**)

(Note by VGE - This Appendix reflects the substance of Section I of Article N 38. No substantive changes are intended.)

1.0 The following terms are used in the table to define the appropriate use of each frequency under the GMDSS (see also notes following table).

1.1 AERO-SAR: These aeronautical carrier (reference) frequencies may be used for distress and safety purposes by mobile stations engaged in coordinated search and rescue operations.

1.2 DSC: These frequencies are used exclusively for distress and safety calls using digital selective calling [in accordance with No. **N 3110** (see Nos. **N 3112**, **N 3206** and **N 3229**)].

1.3 D&S-OPS: The use of these bands is limited to distress and safety operations including transmissions of satellite emergency position-indicating radio beacons (EPIRBs).

1.4 MSI: In the maritime mobile service, these frequencies are used exclusively for the transmission of Maritime Safety Information (MSI)[1] by coast stations to ships, by means of narrow-band direct-printing telegraphy.

[1] Meteorological and navigational warnings and urgent information.

1.5 MSI-HF: In the maritime mobile service, these frequencies are used exclusively for the transmission of high seas MSI by coast stations to ships, by means of narrow-band direct-printing telegraphy (see Resolution **333 (Mob-87)**).

1.6 NBDP-COM: These frequencies are used exclusively for distress and safety communications (traffic) using narrow-band direct-printing telegraphy.

1.7 RTP-COM: These carrier frequencies are used for distress and safety communications (traffic) by radiotelephony.

1.8 SARTS: This frequency band is used by radar transponders to facilitate search and rescue.

1.9 SAT-COM: These frequency bands are available for distress and safety purposes in the maritime mobile-satellite service (see notes).

1.10 VHF-C#: These VHF frequencies are used for distress and safety purposes. The channel number (C#) refers to the VHF channel as listed in Appendix 18, which should be consulted also.

1.11 406-EPIRB: This frequency band is used exclusively by satellite emergency position-indicating radio beacons in the Earth-to-space direction (see No. **649**).

2.0 Frequencies denoted by an asterisk (*) are guaranteed absolute protection from emissions capable of causing harmful interference (see No. **N 3067**). All frequencies listed, however, are protected from any emission causing harmful interference (see No. **N 3067**).

Frequency	Description		Notes
490 kHz	MSI		a)
518	MSI		b)
2 174.5	NBDP-COM	*	
2 182	RTP-COM	*	c)
2 187.5	DSC	*	
3 023	AERO-SAR		d)
4 125	RTP-COM	*	e), f)
4 177.5	NBDP-COM	*	
4 207.5	DSC	*	
4 209.5	MSI		g)
4 210	MSI-HF		
5 680	AERO-SAR		d)
6 215	RTP-COM	*	h)
6 268	NBDP-COM	*	
6 312	DSC	*	
6 314	MSI-HF		
8 291	RTP-COM	*	
8 376.5	NBDP-COM	*	
8 414.5	DSC	*	
8 416.5	MSI-HF		
12 290	RTP-COM	*	

Frequency	Description		Notes
12 520 kHz	NBDP-COM	*	
12 577	DSC	*	
12 579	MSI-HF		
16 420	RTP-COM	*	
16 695	NBDP-COM	*	
16 804.5	DSC	*	
16 806.5	MSI-HF		
19 680.5	MSI-HF		
22 376	MSI-HF		
26 100.5	MSI-HF		
121.5 MHz	AERO-SAR	*	i), k)
123.1	AERO-SAR		j), k)
156.3	VHF-C06		l)
156.525	VHF-C70	*	m)
156.650	VHF-C13		n)
156.8	VHF-C16	*	o)
406 - 406.1	406-EPIRB	*	
1 530 - 1 544	SAT-COM		p)
1 544 - 1 545	D&S-OPS	*	q)
1 626.5 - 1 645.5	SAT-COM		r)
1 645.5 - 1 646.5	D&S-OPS	*	s)
9 200 - 9 500	SARTS		

Notes referring to the table

(see also introductory text, paragraphs 1.0 and 2.0)

* See No. **N 3067**.

a) The frequency 490 kHz will be used exclusively for maritime safety information (MSI) after full implementation of the GMDSS in accordance with paragraph 1.4 of this Appendix (see also Resolution **210 (Mob-87)**).

b) The frequency 518 kHz is used exclusively by the international NAVTEX system (see Article ~~14~~**AS9**).

c) The frequency 2 182 kHz uses class of emission J3E. See also Nos. **2973**, **3026** and **4343**.

d) The aeronautical carrier (reference) frequencies 3 023 kHz and 5 680 kHz may be used for intercommunication between mobile stations when they are engaged in coordinated search and rescue operations, and for communication between these stations and participating land stations[, in accordance with the provisions of Appendix ~~27Aer2~~S27 (see Nos. **501** and **505**).

e) See also Nos. **2982** and **4375**.

f) The carrier frequency 4 125 kHz may be used by aircraft stations to communicate with stations of the maritime mobile service for distress and safety purposes, including search and rescue (see No. **N 2944**).

g) The frequency 4 209.5 kHz is used exclusively for NAVTEX-type transmissions (see Resolution **332 (Mob-87)**).

h) See also Nos. **2986** and **4375**.

i) The aeronautical emergency frequency 121.5 MHz[1] is used for the purposes of distress and urgency for radiotelephony by stations of the aeronautical mobile service using frequencies in the band between 117.975 MHz and ~~136 MHz (~~137 MHz~~ after 1 January 1990)~~. This frequency may also be used for these purposes by survival craft stations. Emergency position-indicating radio beacons use the frequency 121.5 MHz as indicated in ~~Appendix 37A~~Annex AP 37A.

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[1] Normally, aircraft stations transmit distress and urgency messages on the working frequency in use at the time of the distress or urgency incident.

j) The aeronautical auxiliary frequency 123.1 MHz, which is auxiliary to the aeronautical emergency frequency 121.5 MHz, is for use by stations of the aeronautical mobile service and by other mobile and land stations engaged in coordinated search and rescue operations (see also No. **593**).

k) Mobile stations of the maritime mobile service may communicate with stations of the aeronautical mobile service on the aeronautical emergency frequency 121.5 MHz for the purposes of distress and urgency only, and on the aeronautical auxiliary frequency 123.1 MHz for coordinated search and rescue operations, using class A3E emissions for both frequencies (see also Nos. **501** and **593**). They shall then comply with any special arrangements between the governments concerned by which the aeronautical mobile service is regulated.

l) The frequency 156.3 MHz may be used for communication between ship stations and aircraft stations engaged in coordinated search and rescue operations. It may also be used by aircraft stations to communicate with ship stations for other safety purposes (see also Note g) in Appendix ~~18~~S18).

m) The frequency 156.525 MHz is used in the maritime mobile service for distress and safety calls using digital selective calling (see also Nos. **347**, **613A**, **N 2935**, **N 2936** and **N 2937**).

n) The frequency 156.650 MHz is used for ship-to-ship communications relating to the safety of navigation in accordance with Note p) in Appendix ~~18~~**S18**.

o) The frequency 156.8 is used for distress and safety communications (traffic) by radiotelephony (see also No. **2994**). Additionally, t~~T~~he frequency 156.8 MHz may be used by aircraft stations for safety purposes only.

p) In addition to its availability for routine non-safety purposes, the band 1 530 - 1 544 MHz is used for distress and safety purposes in the space-to-Earth direction in the maritime mobile-satellite service.

q) Use of the band 1 544 - 1 545 MHz (space-to-Earth) is limited to distress and safety operations (see No. **727A**), including: feeder links of satellites needed to relay the emissions of satellite emergency position-indicating radio beacons to earth stations; and narrow-band (space-to-Earth) links from space stations to mobile stations.

r) In addition to its availability for routine non-safety purposes, the band 1 626.5 - 1 645.5 MHz is used for distress and safety purposes in the Earth-to-space direction in the maritime mobile-satellite service.

s) Use of the band 1 645.5 - 1 646.5 MHz (Earth-to-space) is limited to distress and safety operations (see No. **734B**), including: transmissions from satellite EPIRBs; and relay of distress alerts received by satellites in low polar earth orbits to geostationary satellites.

(MOD)

APPENDIX ~~11~~S16

NOC

Documents with Which Stations on Board Ships and Aircraft Shall be Provided

(see Articles **S42** and **S51**)

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 11).

(ADD)

APPENDIX S17

ADD

Frequencies and Channelling Arrangements in the High Frequency Bands for the Maritime Mobile Service

(see Article **S52**)

Introduction

This Appendix contains two parts, the second of which is divided into five sections:

Part A - Table of Subdivided Bands
(Present Appendix **31**)

Part B - Channelling Arrangements

Section I - Radiotelephony
(Present Appendix **16**)

Section II - Narrow-Band Direct-Printing Telegraphy (Paired)
(Present Appendix **32**)

Section III - Narrow-Band Direct-Printing Telegraphy (Non-Paired)
(Present Appendix **33**)

Section IV - Morse Telegraphy (Calling)
(Present Appendix **34**)

Section V - Morse Telegraphy (Working)
(Present Appendix **35**)

(Note by VGE - The contents of these appendices have not been reproduced since no changes of substance to the text are recommended.)

(MOD)

APPENDIX ~~18~~S18

MOD

Table of Transmitting Frequencies ~~in the Band 156 - 174 MHz for Stations~~ in the VHF Maritime Mobile Band ~~Service~~

(see Article S52)

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 18).

(Note by VGE - Appendix numbers S19 through S24 are not used.)

(MOD)

APPENDIX ~~25~~S25

NOC

Frequency Allotment Plan for Coast Radiotelephone Stations Operating in the Exclusive Maritime Mobile Bands Between 4 000 kHz and 27 500 kHz

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 25.)

(MOD)

APPENDIX ~~26~~S26

NOC

Frequency Allotment Plan for the Aeronautical Mobile Service and Related Information

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 26(Rev.1)).

(MOD)

APPENDIX ~~27 Aer2~~S27

NOC

Frequency Allotment Plan for the Aeronautical Mobile (R) Service and Related Information between 2 850 kHz and 22 000 kHz

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 27 Aer2.)

(MOD)

APPENDIX ~~30~~S30

NOC

Provisions for All Services and Associated Plans for the Broadcasting-Satellite Service in the Frequency Bands 11.7 - 12.2 GHz (in Region 3), 11.7 - 12.5 GHz (in Region 1) and 12.2 - 12.7 GHz (in Region 2)

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 30 (Orb-85).)

(MOD)

APPENDIX ~~30A~~S30A

NOC

Provisions and Associated Plans for the Feeder Links for the Broadcasting-Satellite Service (11.7 - 12.5 GHz in Region 1, 12.2 - 12.7 GHz in Region 2 and 11.7 - 12.2 GHz in Region 3) in the Frequency Bands 14.5 - 14.8 GHz and 17.3 - 18.1 GHz in Regions 1 and 3, and 17.3 - 17.8 GHz in Region 2

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 30A (Orb-88).)

(MOD)

APPENDIX ~~30B~~S30B

NOC

Provisions and Associated Plan for the Fixed-Satellite Service in the Frequency Bands 4 500 - 4 800 MHz, 6 725 - 7 025 MHz, 10.70 - 10.95 GHz, 11.20 - 11.45 GHz and 12.75 - 13.25 GHz

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 30B.)

ANNEXES TO THE SIMPLIFIED RADIO REGULATIONS

The texts of Articles and Appendices of the present Radio Regulations recommended by the VGE to be transferred to ITU-R Recommendations are assembled as a series of Annexes. Until such Recommendations exist these texts should be maintained in Annexes with only editorial modifications consequential to decisions of APP-92. The Annexes are given the number of the Article or Appendix from which the text is transferred.

ANNEX 20

International Monitoring System

(Note by VGE - Text to be transferred to an ITU-R Recommendation and should be handled in conjunction with [Annex AP 21].)

MOD 1874 § 3. ~~Administrations will, as far as they consider practicable, conduct such monitoring of both a general and a specific nature as may be required of them by the International Frequency Registration Board or by other administrations.~~ In requesting monitoring observations, ~~the Board and~~ administrations and the Bureau should take into account the monitoring facilities set forth in the List of International Monitoring Stations ~~(List VIII, see Article 26)~~, and should clearly specify both the purpose for which the observations are requested and the parameters of the requested monitoring work (including appropriate schedules). The results of such monitoring forwarded to other administrations may also be sent to the ~~Board~~Bureau, if appropriate.

1876 § 5. Administrations agree that monitoring requests from international organizations not participating in the international monitoring system should be coordinated by the ~~Board~~Bureau and, if appropriate, forwarded by it to administrations.

1878 § 7. The technical standards recommended by the ~~CCIR~~Radiocommunication Sector to be observed by monitoring stations shall be recognized by the ~~Board~~Bureau as the optimum practicable technical standards for monitoring stations participating in the international monitoring system. However, to meet some needs for monitoring data, stations observing lower technical standards may participate in the international monitoring system at the discretion of their administrations.

1879 § 8. Administrations having determined whether the monitoring stations meet adequate technical standards, shall notify to the Secretary-General pertinent information on the centralizing office and on the stations they wish to have included in List VIII, clearly identifying those stations which may participate in the international monitoring system ~~(see Article 26 and Appendix 9)~~.

1880 § 9. (1) Results of measurements forwarded to the ~~Board~~Bureau or other administrations shall indicate the estimated accuracy obtained at the time the measurements were made.

1881 (2) Where the results supplied by any monitoring station appear to be doubtful or insufficient for its purposes, the ~~Board~~Bureau shall advise the administration or international organization concerned giving the appropriate details.

1883 § 11. Administrations shall make every effort to arrange for monitoring observations (see ~~Appendix 21~~[Annex **AP 21**]) to be submitted to the ~~Board~~Bureau as soon as possible.

ANNEX 58

Working Hours of Ship Stations

(**Note by VGE** - Text to be transferred to an ITU-R Recommendation.)

4052 § 5. (1) For the international public correspondence service, ship stations are divided into four categories:

4053 *a)* stations of the first category: these stations maintain a continuous service;

4054 *b)* stations of the second category: these stations maintain a service for 16 hours a day;

4055 *c)* stations of the third category: these stations maintain a service for 8 hours a day;

4056 *d)* stations of the fourth category: these stations maintain a service the duration of which is either shorter than that of stations of the third category, or is not fixed by these Regulations.

4057 (2) Each administration shall itself determine the rules under which ship stations subject to it are to be placed in one of the above four categories.

4058 § 6. (1) Ship stations of the second category shall maintain the following hours of service:

0000 - 0400 ⎫
0800 - 1200 ⎪ ship's time
1600 - 1800 ⎪ or zone time,
2000 - 2200 ⎭

and, additionally, four hours of service at times to be decided by the administration, master or responsible person, to meet the essential communication needs of the ship, having regard to propagation conditions and traffic requirements.

4059 (2) Ship stations of the third category shall maintain the following hours of service:

0800 - 1200 ship's time or zone time,

two continuous hours of service between 1800 and 2200 h, ship's time or zone time, at times decided by the administration, master or responsible person and, additionally, two hours of service at times decided by the administration, master or responsible person, to meet the essential communication needs of the ship, having regard to propagation conditions and traffic requirements.

4060 (3) Each administration will determine whether ship's time observed by its ships is to be zone time as shown in Appendix **12** (see Nos. **4058** and **4059**).

4061 (4) In case of short voyages, these stations shall provide service during the hours fixed by the administrations to which they are subject.

4062 § 7. Ship stations of the fourth category are encouraged to provide service from 0830 to 0930 h, ship's time or zone time.

4063 § 8. (1) Ship stations whose service is not continuous shall not close before:

4064 *a)* finishing all operations resulting from a distress call or from an urgency or safety signal;

4065 *b)* exchanging, so far as practicable, all traffic originating in or destined for coast stations situated within their service area and for ship stations which, being within their service area, have indicated their presence before the actual cessation of work.

4066 (2) Any ship station not having fixed working hours shall inform the coast stations with which it is in communication of the time of closing and the time of reopening its service.

4067 § 9. (1) Any ship station arriving in port, and whose service is therefore about to close, shall:

4068 *a)* notify accordingly the nearest coast station and, if appropriate, the other coast stations with which it generally communicates;

4069 *b)* not close until after the disposal of traffic on hand, unless this conflicts with the regulations in force in the country of the port of call.

4070 (2) On departure from port the ship station shall notify the coast station or stations concerned that its service is reopening as soon as such reopening is permitted by the regulations in force in the country of the port of departure. However, a ship station not having hours of service fixed by these Regulations may defer such notification until the station first reopens its service after departure from port.

ANNEX 62A

Sequential Single-Frequency Code System

(Note by VGE - Text to be transferred to an ITU-R Recommendation.)

4667 A. General

4668 § 2. The characteristics of the sequential single-frequency code international selective-calling system shall be in accordance with Appendix **39**.

4668A Mob-83 § 2A. The sequential single-frequency code system may be in operation until it is superseded by the digital selective-calling system referred to in Section III.

4669 B. Method of Calling

4670 § 3. (1) The call shall consist of:

4671

a) the selective call number or identification number or signal of the station called, followed by

b) the selective call number or identification number or signal of the station calling.

4672 However, in the case of a coast station calling on VHF, the number of the channel to be used for the reply and for traffic may replace the identification number or signal of the coast station.

The call shall be transmitted twice.

4673 (2) When a station called does not reply, the call should not normally be repeated until after an interval of at least five minutes and should not then normally be renewed until after a further interval of fifteen minutes.

4674 (3) The use of an "all ships call" shall be confined to distress and urgency in the MF and HF bands and the announcement of vital navigational warnings in those bands; additionally it may be used for safety purposes in the VHF band. This call may only be used to supplement, if required, the distress procedure specified in Nos. **3101**, **3102**, **3116** and **3117** and shall in no circumstances be used in place of such procedures, in particular the alarm signals mentioned in Nos. **3268** and **3270**.

4675 C. Reply to Calls

4676 § 4. The reply to calls shall be made in accordance with the provisions of:

4677
Mob-87 *a)* Nos. **4767** and **4769** when using Morse radiotelegraphy;

4678 *b)* Nos. **4982** to **5002** when using radiotelephony.

4679 D. Frequencies to Be Used

4679A
Mob-87 § 4A. Selective calling may be carried out on the following calling frequencies:

500 kHz
2 170.5 kHz
4 125 kHz
4 417 kHz
6 516 kHz
8 779 kHz
13 137 kHz
17 302 kHz
19 770 kHz
22 756 kHz
26 172 kHz
156.8 MHz[1]

4679A.1
Mob-83 [1] Selective calling on this frequency should normally be only in the direction coast station to ship or intership. Selective calls from ship to coast station should whenever possible be sent on other frequencies of Appendix **18**, as appropriate.

ANNEX 62B

Digital Selective Calling System

(**Note by VGE** - Text to be incorporated, if not already present, into the latest version of ITU-R Recommendations 493, 541, 821 or 825.)

4680A Mob-87

A. General

4681 Mob-87

§ 6. The technical characteristics of equipment used for digital selective calling shall be in conformity with the relevant ITU-R Recommendations.

4681A Mob-87

§ 6A. The frequencies used for distress and safety purposes using digital selective calling are as follows (see also Article **38**):

2 187.5 kHz
4 207.5 kHz
6 312 kHz
8 414.5 kHz
12 577 kHz
16 804.5 kHz
156.525 MHz[2]

4681A.1 Mob-87

SUP

4681A.2 Mob-87

[2] The frequency 156.525 MHz may also be used for digital selective-calling purposes other than distress and safety.

4682 Mob-87

§ 7. The frequencies assignable on an international basis to ship and coast stations for digital selective calling, for purposes other than distress and safety, are as follows: